

Dear Reader,

MOVI-C® the modular automation system from SEW enables the highest level of machine automation. It comprises drive technology, motion control technology and visualization.

MOVIKIT®, MOVIDRIVE® and MOVI-C® CONTROLLER met all the requirements during expansion project of INTERSPORT, Germany.

To know more about how the SEW team analysed the requirements and provided solutions for their challenges, please read the article below.

Brand & Communication Team,  
June 2023



# Drive technology TODAY

## **INTERSPORT: Drive technology and sport make a good team**

Optimized automation concept for  
storage/retrieval systems in warehouse logistics

### **Overview**

► Over the past few years, Heilbronn-based sports retailer INTERSPORT Deutschland eG has worked with Körber Supply Chain to expand its central warehouse. The project involved installing small parts storage/retrieval systems with automation based on the latest developments in drive technology and control

technology from SEW-EURODRIVE – MOVIKIT®, MOVIDRIVE® and MOVI-C® CONTROLLER. It was a challenging yet fascinating project not far from SEW-EURODRIVE's head office in Bruchsal, and generated a great deal of positive feedback. ►



All the objectives were achieved – some were even exceeded

## Customer

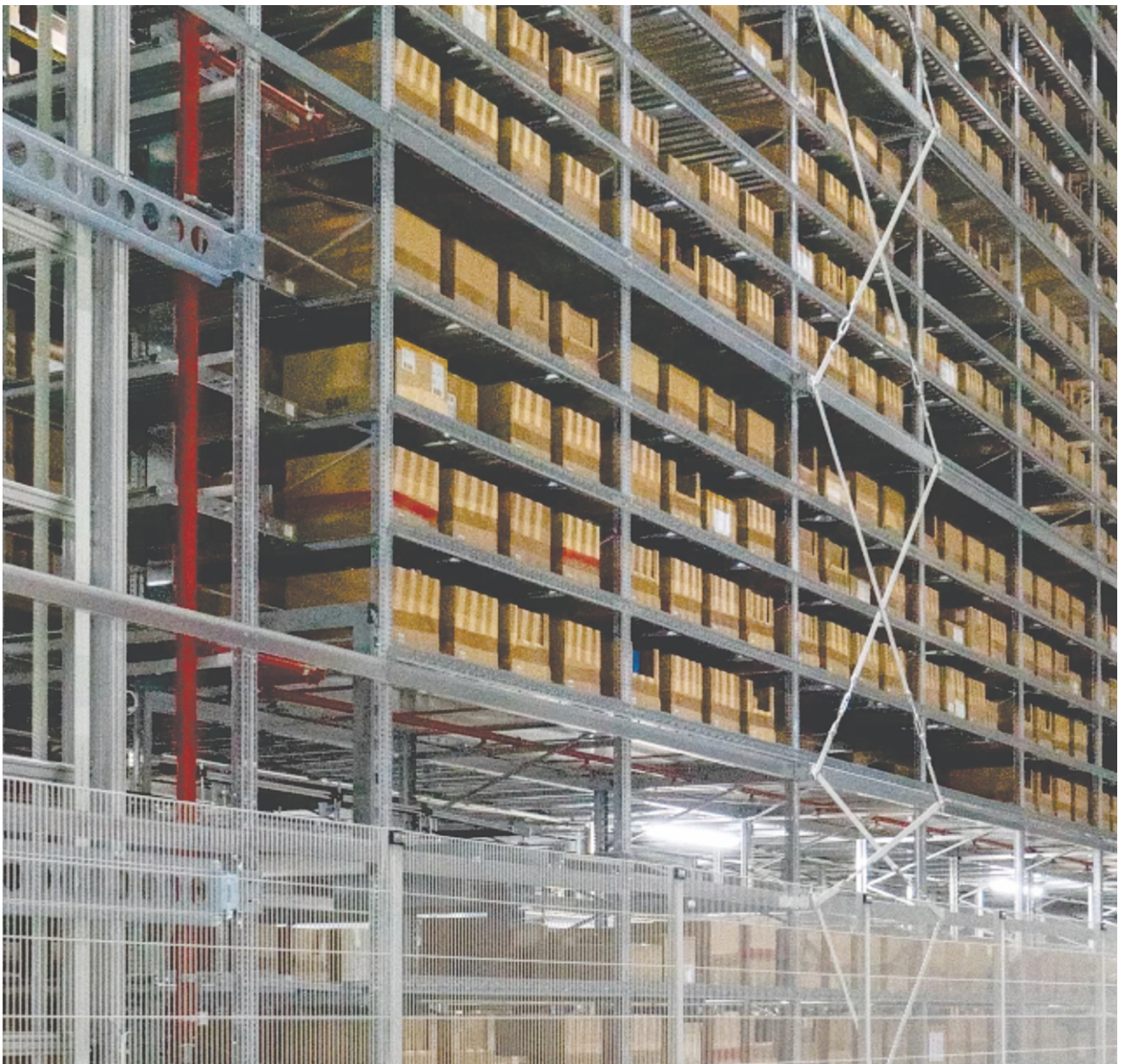
**INTERSPORT Deutschland eG,  
Heilbronn, Germany**

## Challenge

Stefan-Marcel Schlepp, Head of Intralogistics, has been with INTERSPORT for 20 years and knew precisely what the priorities should be when building the new facilities. The key was to make full use of the warehousing space available, while also sticking to the schedule and the budget. Jürgen Beier, Head of the Logistics Department at INTERSPORT, also felt it was vital for the existing logistics facilities to be modernized in parallel with the new build project and for delivery operations to INTERSPORT retailers to continue uninterrupted throughout the duration of the project.

### Extension of the central warehouse:

- Optimum use of the storage area
- Alignment of the entire warehouse with new market and sales requirements
- Updating of the existing logistics, including using automation
- Uninterrupted operations during the project

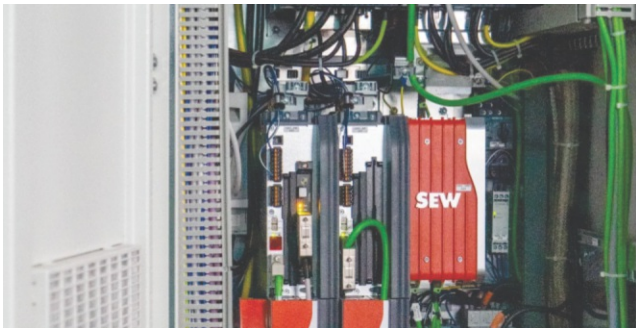


The new central warehouse has an area of around 37,000 square meter

## Solution

### Warehouse logistics automated using:

- Preprogrammed MOVIKIT® software modules to reduce startup times by as much as 80 percent
- MOVIKIT® AntiSway to reduce swinging toward the racks
- MOVIKIT® StackerCrane effiDRIVE® a software solution to achieve energy savings of up to 25 percent
- MOVIKIT® MultiAxis Controller to ensure synchronous operation of all travel drives – two on the ground and one at the mast head
- Fully integrated MOVISAFE® safety technology
- MOVIDRIVE® modular frequency inverter
- MOVI-C® CONTROLLER
- Motors and gearmotors from SEW-EURODRIVE



The storage/retrieval systems have been automated with the latest technology



Multiple conveyor lines with cartons



Curved conveyor line

## Results

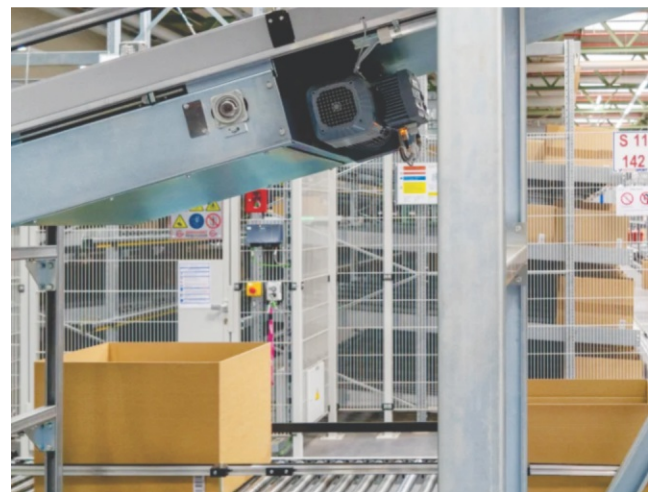
### Revolutionary warehouse logistics:

As the company has expanded over the years, the warehouse has grown by 10,000 square meter. The INTERSPORT warehouse in Heilbronn now has an overall footprint of around 37,000 square meter. A new, two-story building with a height of 36 m was built on the additional logistics area. A high-tech incoming goods area was created on the lower floor, while the upper floor houses a new automated carton warehouse with a rack height of 24m. This highly automated warehouse enables the company to dispatch up to 10,000 packages per day. It is a revolution for INTERSPORT warehouse logistics!

The renovation project was carefully planned, and the objectives were reviewed regularly and adjusted as required. The results speak for themselves – the objectives were achieved, and some expectations were even exceeded. ◀



Cartons on a conveyor spiral



Conveyor line with SEW gearmotor